We claim:

1. A method of preparing a compound of Formula (I)

which comprises dihydroxylating a compound of Formula (II), wherein: R_1 and R_2 , which may be the same or different, are independently selected from hydrogen, lower alkyl, (C_{3-7}) cycloalkyl, (C_{3-7}) cycloalkyl lower alkyl, lower alkenyl hydroxy lower alkyl, or alkoxy alkyl, or $(-CH_2NR_7R_8)$, wherein:

- i) R7 and R8, which may be the same or different, are independently selected from hydrogen, lower alkyl, (C₃₋₇) cycloalkyl, (C₃₋₇) cycloalkyl lower alkyl, lower alkenyl, hydroxy lower alkyl, or lower alkoxy lower alkyl; or
- ii) R7 represents hyrogen, lower alkyl, (C₃₋₇)cycloalkyl, (C₃₋₇) cycloalkyl lower alkyl, lower alkenyl, hydroxy lower alkyl, or lower alkoxy lower alkyl, and R8 represents -COR9,

wherein:

R9 represents hydrogen, lower alkyl, perhalolower alkyl, (C₃₋₇)cycloalkyl, (C₃₋₇) cycloalkyl lower alkyl, lower alkenyl, hydroxy lower alkyl, lower alkoxy, lower alkoxy lower alkyl; or

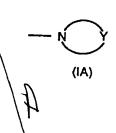
R7\represents hydrogen or lower alkyl; and R8 represents iii) diphenyl-methyl or -(CH2)tAr

wherein:

t is 0 to 5 and

represents phenyl, furyl, pyridyl, methylpyrrolyl, imidazolyl optionally substituted with one or more substituents selected from hydroxy, methyl, halogen, and amino; or

R7 and R8 taken together with the linking nitrogen form a iv) staturated 3 to 7 atom heterocyclic group of formula (IA)



wherein:

Y represents O, S, SO, SO2, CH2 or NR₁₀.

wherein:

R₁₀ represents hydrogen, lower alkyl, perhalo lower alkyl, aryl, aryl substituted with one or more substituents\ selected from lower alkyl,

lower alkoxy, halogen, nitro, amino, lower alkyl amino, perhalo-lower alkyl, hydroxy lower alkyl, lower alkoxy lower alkyl

groups or -COR₁₁,

wherein:

R₁₁ represents hydrogen, lower perhalo-lower alkyl, lower alkoxy, aryl, aryl substituted with one or more substituents selected from lower alkyl, perhalolower alkyl, hydroxy lower alkyl, lower alkoxy lower alkyl groups; or

 R_3 and R_4 are independently selected from hydrogen, lower alkyl, (C_{3-7}) cycloalkyl, (C_{3-7}) cycloalkyl lower alkyl, lower alkenyl, hydroxy lower alkyl, or alkoxy alkyl; or

 R_3 and R_4 taken together form a saturated 5 to 6 atom heterocyclic group of formula (IB)

(IB)

wherein, \1

n represents the integer 1 or 2; or

R₃ represents -OCONR₁₂R₁₃, wherein,

R₁₂ and R₁₃, which may be the same or different, are independently selected from hydrogen, a substituted or unsubstituted alkyl group with 1-4 carbon atoms or a substituted or unsubstituted carbocyclic or heterocyclic group, with the proviso that when both R₁₂ and R₁₃ are substituted or unsubstituted alkyl groups, they may be combined together with the nitrogen atom, to which they are bonded, to form a heterocyclic ring which may be interrupted with -O-, -S- and/or >N-R₁₄ in which R₁₄ is hydrogen, a substituted or unsubstituted alkyl group with 1-4 carbon atoms or a substituted or unsubstituted phenyl group, and

R₅ represents hydrogen or alky, and

R₆ represents hydrogen or alkyl, and

pharmaceutically acceptable salts thereof.

2. A compound of Formulas (II), (III), (IV), or (VI):

$$R_3$$
 R_4
 R_4
 R_5
 R_6
 R_6
 R_7
 R_8
 R_8
 R_8
 R_8
 R_8
 R_9
 R_9

HN
$$R_5$$
 (VI)

wherein: R₁ and R₂, which may be the same or different, are independently selected from hydrogen, lower alkyl, (C₃₋₇) cycloalkyl, (C₃₋₇)cycloalkyl lower alkyl, lower alkenyl, hydroxy lower alkyl, or alkoxy alkyl, or (-CH₂NR₇R₈), wherein:

- i) R7 and R8, which may be the same or different, are independently selected from hydrogen, lower alkyl, (C₃₋₇) cycloalkyl, (C₃₋₇) cycloalkyl lower alkyl, lower alkenyl, hydroxy lower alkyl, or lower alkoxy lower alkyl; or
- ii) R7 represents hyrogen, lower alkyl, (C₃₋₇)cycloalkyl, (C₃₋₇) cycloalkyl lower alkyl, lower alkenyl, hydroxy lower alkyl, or lower alkoxy lower alkyl, and R8 represents -COR9,

whereih:

ower alkyl, (C₃₋₇)cycloalkyl, (C₃₋₇) cycloalkyl ower alkyl, lower alkenyl, hydroxy lower alkyl, lower alkoxy lower alkyl, or

iii) R7 represents hydrogen or lower alkyl; and R8 represents diphenyl-methyl or -(CH2)tAr

wherein:

t is 0 to 5 and

Ar represents phenyl, furyl, pyridyl, N-methylpyrrolyl, imidazolyl optionally substituted with one or more substituents relected from hydroxy, methyl, halogen, and amigo; or

iv) R7 and R8 taken together with the linking nitrogen form a staturated 3 to 7 atom heterocyclic group of formula (IA)



wherein:

Y represents O, S, SO, SO₂, H₂ or NR₁₀.

wherein:

R₁₀ represents hydrogen, lower alkyl, perhalo lower alkyl, aryl, aryl substituted with one or more substituents selected from lower alkyl, lower alkoxy, halogen, nitro, amino, lower alkyl amino, perhalo-lower alkyl, hydroxy lower alkyl, lower alkoxy lower alkyl groups or

-COR₁₁,

wherein:

R₁₁ represents hydrogen, lower alkyl, perhalo-lower alkyl, lower alkoxy, aryl, aryl substituted with one or more substituents selected from lower alkyl, perhalo-

lower alkyl, hydroxy lower alkyl, lower alkoxy lower alkyl groups; or

R₃ and R₄ are independently selected from hydrogen, lower alkyl, (C₃₋₇)cycloalkyl, (C₃₋₇)cycloalkyl lower alkyl, lower alkenyl, hydroxy lower alkyl, or alkoxy alkyl; or
R₃ and R₄ taken together form a saturated 5 to 6 atom heterocyclic

group of formula (IB)

wherein.

n represents the integer 1 or 2; or

R₃ represents -OCONR₁₂R₁₃, wherein,

R₁₂ and R₁₃ which may be the same or different, are independently selected from hydrogen, a substituted or unsubstituted alkyl group with 1-4 carbon atoms or a substituted or unsubstituted carbocyclic or heterocyclic group, with the proviso that when both R₁₂ and R₁₃ are substituted or unsubstituted alkyl groups, they may be combined together with the nitrogen atom, to which they are bonded, to form a heterocyclic ring which may be interrupted with -O-, -S- and/or >N-R₁₄ in which R₁₄ is hydrogen, a substituted or unsubstituted alkyl group with 1-4 carbon atoms or a substituted or unsubstituted phenyl group and

R₅ represents hydrogen or alkyl, and

R₆ represents/hydrogen or alkyl, and

pharmaceutically acceptable salts thereof.

3. A compound selected from the group consisting of:

4-Ethyl-1H-pyrano[3,4-c]pyridin-8-one;

4-Ethyl-7-[7-iodo-9-[(4-methyl-piperazinyl)methyl]-2,3-dihydro [1,4]dioxino[2,3-g]quinolin-8-ylmethyl]-1H-pyrano[3,4-c]pyridin-8-one;

11H-1,4-Dioxino[2,3-g]pyrano[3'4':6,7]indolizino[1,2-b]quinoline-12(14H)-one,8-ethyl-2,3-dihydro-15-[(4-methyl-1-piperazinyl)methyl]; or

11H-1,4-Dioxino[2,3-g]pyrano[3',4':6,7]indolizino[1,2-b]quinoline-12(8H,14H)- one,8-ethyl-2,3-dihydro-8,9-dihydroxy-15-[(4-methyl-1-piperazinyl)methyl]- (9R-cis).

nef addi

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